

## ABSTRACT

5 A method for matching output impedance of a driver to a load impedance. In  
representative embodiments an external impedance is attached between an external  
contact and a first source potential, wherein the load impedance includes the external  
impedance plus impedance of interconnections between an output terminal of the driver  
and the external impedance. An adjustable impedance, which can be field effect  
transistors which can be turned on separately and in combination to change the value of  
the adjustable impedance and which can be located on an integrated circuit, are connected  
10 between a second source potential and the output terminal of the driver. A reference  
potential, wherein the reference potential has a value half-way between the first source  
potential and the second source potential is obtained. And a load matching impedance  
is obtained by changing the adjustable impedance until the absolute value of the  
difference between the voltage of the output terminal of the driver and the reference  
15 potential is less than a preselected value.